

PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/688,117
	Filing Date	10/17/2003
	First Named Inventor	Paul D. Hillman ET AL.
	Art Unit	3748
	Examiner Name	Thai-Ba Trieu
Total Number of Pages in This Submission	Attorney Docket Number	00-670

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosures(s) (please identify below):  PETITION REQUEST UNDER 37 CFR 3.81(b)
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

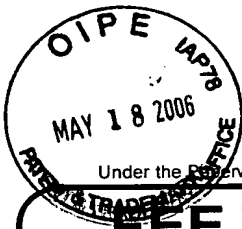
Firm or Individual name	Jeff A. Greene, Registration No. 45,756
Signature	
Date	May 15, 2006

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope address to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date: 05/15/2006	
Typed or printed name	Jeff A. Greene
Signature	
Date	5/15/06

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



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PTO/SB/17 (05-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2003

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

130

## Complete if Known

Application Number	10/688,117
Filing Date	10/17/2003
First Named Inventor	Paul D. Hillman ET AL.
Examiner Name	Thai-Ba Trieu
Art Unit	3748
Attorney Docket No.	00-670

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit

Account

Number

03-1129

Deposit

Account

Name

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1001	790	2001	385	Utility filing fee	
		1002	350	2002	170	Design filing fee	
		1003	530	2003	265	Plant filing fee	
		1004	790	2004	385	Reissue filing fee	
		1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)							0

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1202	18	2002	9	Claims in excess of 20	
		1201	88	2001	43	Independent claims in excess of 3	
		1203	290	2203	145	Multiple dependent claim, if not paid	
		1204	88	2204	43	**Reissue independent claims over original patent	
		1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)							0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1051	130	2051	65	Surcharge - late filing fee or oath	
		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
		1053	130	1053	130	Non-English specification	
		1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
		1251	110	2251	55	Extension for reply within first month	
		1252	430	2252	210	Extension for reply within second month	
		1253	980	2253	475	Extension for reply within third month	
		1254	1,530	2254	740	Extension for reply within fourth month	
		1255	2,080	2255	1,005	Extension for reply within fifth month	
		1401	340	2401	165	Notice of Appeal	
		1402	340	2402	165	Filing a brief in support of an appeal	
		1403	300	2403	145	Request for oral hearing	
		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
		1452	110	2452	55	Petition to revive - unavoidable	
		1453	1,370	2453	665	Petition to revive - unintentional	
		1501	1,370	2501	665	Utility issue fee (or reissue)	
		1502	490	2502	240	Design issue fee	
		1503	660	2503	320	Plant issue fee	
		1460	130	1460	130	Petitions to the Commissioner	130
		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
		1806	180	1806	180	Submission of Information Disclosure Stmt	
		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
		1809	790	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
		1810	790	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
		1801	790	2801	385	Request for Continued Examination (RCE)	
		1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

130

## SUBMITTED BY

(Complete (if applicable))

Name (Print/Type)

Jeff A. Greene

Registration No.  
(Attorney/Agent)

45,756

Telephone

(309) 675-1056

Signature

*Jeff A. Greene*

Date

05/15/2006

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DAC  
JFW



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Letters	)	Group Art Unit: 3748
	)	
Patent No.: 7,028,679	)	Examiner: Thai-Ba Trieu
	)	
Granted: April 18, 2006	)	
	)	
Inventor: PAUL D. HILLMAN, ET AL.	)	
	)	
Title: ENGINE AIR CHARGE SYSTEM	)	
WITH BRANCH CONDUITS	)	
	)	
Attorney Docket No.: 00-670	)	

Peoria, Illinois 61629-6490  
May 15, 2006

Mail Stop Petitions  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

PETITION REQUEST UNDER 37 CFR 3.81(b)

Sir:

On November 21, 2005, Applicant submitted form PTOL-85B with payment of the Issue Fee. On form PTOL-85B, Applicant inadvertently indicated the incorrect Name of Assignee and Residence. By this Petition, Applicant is requesting to correct Applicant's error. The Name of Assignee (Perkins Engines Company Limited) and Residence (Peterborough, United Kingdom) is the Assignee of Record as noted on the enclosed copy of the Notice of Recordation of Assignment Document, Reel and Frame 014617/0938, recorded on October 17, 2003.

It is respectfully requested that the Petition be granted and that the enclosed REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.323 be forwarded to the Certificates of Correction Branch.

05/19/2006 TBESHAH1 00000017 031129 7028679  
01 FC:1464 130.00 DA

Enclosed herewith are two copies of a fee transmittal sheet to provide for the appropriate fee of \$130.00 for the Petition Request.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jeff A. Greene", is written over a horizontal line.

Jeff A. Greene  
Registration No. 45,756  
Caterpillar Inc.

Telephone: (309) 675-1056  
JAG:vlm  
Enc.



## PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## United States Letters

Patent No.: 7,028,679

Granted: April 18, 2006

Inventor: PAUL D. HILLMAN, ET AL.

Title: ENGINE AIR CHARGE SYSTEM  
WITH BRANCH CONDUITS

Attorney Docket No.: 00-670

Group Art Unit: 3748

Examiner: Thai-Ba Trieu

Peoria, Illinois 61629-6490  
May 9, 2006

Attention Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.323

Sir:

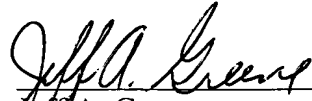
On May 15, 2006, a Petition Request under 37 CFR 3.81(b) was submitted to the Petitions Branch requesting a correction regarding the incorrect Assignee designation on form PTOL-85B submitted with payment of the Issue Fee, thus appearing incorrectly as Caterpillar Inc. on the front of U.S. Patent 7,028,679. Upon grant of said Petition, the Petitions Branch was requested to forward the REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.323 to the Certificate of Corrections Branch.

This is to request the issuance of a Certificate of Correction under 35 U.S.C. 255. Upon reviewing the above-identified patent, the Agent of Record noted an error that should be corrected. Please charge the required fee to Deposit Account 03-1129.

05/19/2006 TBESHAH1 00000017 031129 7020679  
02 FC:1811 100.00 DA

Transmitted herewith are two copies of PTO-1050 containing the text of the desired corrections.

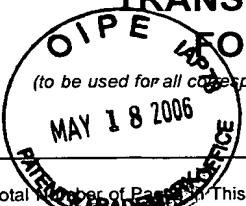
Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Jeff A. Greene", is written over a horizontal line.

Jeff A. Greene  
Registration No. 45,756  
Caterpillar Inc.

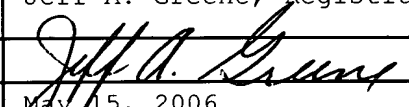
Telephone: (309) 675-1056  
JAG:vlm  
Enc.

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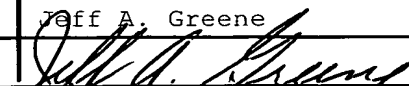
<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing) 	Application Number	10/688,117
	Filing Date	10/17/2003
	First Named Inventor	Paul D. Hillman ET AL.
	Art Unit	3748
	Examiner Name	Thai-Ba Trieu
Total Number of Pages in This Submission	Attorney Docket Number	00-670

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosures(s) (please identify below):  Request for Certificate of Correction
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Jeff A. Greene, Registration No. 45,756
Signature	
Date	May 15, 2006

## CERTIFICATE OF MAILING

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Typed or printed name	Jeff A. Greene	
Signature		Date 5/15/06

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re United States Letters	)	Group Art Unit: 3748
	)	
Patent No.: 7,028,679	)	Examiner: Thai-Ba Trieu
	)	
Granted: April 18, 2006	)	
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Inventor: PAUL D. HILLMAN, ET AL.	)	
	)	
Title: ENGINE AIR CHARGE SYSTEM	)	
WITH BRANCH CONDUITS	)	
	)	
Attorney Docket No.: 00-670	)	

Peoria, Illinois 61629-6490  
May 9, 2006

Attention Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.323

Sir:

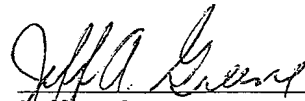
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Transmitted herewith are two copies of PTO-1050 containing the text of the desired corrections.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Jeff A. Greene", is written over a horizontal line.

Jeff A. Greene  
Registration No. 45,756  
Caterpillar Inc.

Telephone: (309) 675-1056  
JAG:vlm  
Enc.



VLM / KAC

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 17, 2004

PTAS



\*102584871A\*

CATERPILLAR INC. JJC  
JOHN J. CHEEK  
200 N. E. ADAMS STREET  
INTELLECTUAL PROPERTY DEPARTMENT, AB6490  
PEORIA, IL 61629-6490

### UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/17/2003

REEL/FRAME: 014617/0938  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HILLMAN, PAUL D.

DOC DATE: 04/10/2003

ASSIGNOR:

MIDDLETON, STEPHEN P.

DOC DATE: 04/10/2003

ASSIGNEE:

PERKINS ENGINES COMPANY LIMITED  
FRANK PERKINS WAY, EASTFIELD  
V.R.R. BUILDING  
PETERBOROUGH, UNITED KINGDOM

PE1 5MA

RECEIVED  
INTELLECTUAL PROPERTY

MAY 26 2004

CATERPILLAR INC.

014617/0938 PAGE 2

SERIAL NUMBER: 10688117

FILING DATE: 10/17/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: ENGINE AIR CHARGE SYSTEM WITH BRANCH CONDUITS

DOCKET NUMBER: 00-670

VIOLET MCCOY, EXAMINER

ASSIGNMENT DIVISION

OFFICE OF PUBLIC RECORDS

10-27-2003



102584871

Form PTO-1595 (Rev. 10/02) <span style="float: right;">10-17-03</span> OMB No. 0651-0027 (exp. 6/30/2005) Tab settings → → →		<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies):  Paul D. Hillman Stephen P. Middleton  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies):  Name: Perkins Engines Company Limited Internal Address: Frank Perkins Way, Eastfield V.F.R. Building Peterborough PE1 5NA UNITED KINGDOM  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: 04/10/2003			4. Application number(s) or patent number(s): 10/688117 If this document is being filed together with a new application, the execution date of the application is: 04/10/2003  A. Patent Application No.(s) _____ B. Patent No.(s) _____  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed:  John J. Cheek Caterpillar Inc. Intellectual Property Department, AB6490 100 N. E. Adams Street Peoria IL 61629-6490			6. Total number of applications and patents involved: <span style="border: 1px solid black; padding: 0 5px;">1</span>  7. Total fee (37 CFR 3.41) ..... \$ 40.00  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number:  03-1129		
<b>DO NOT USE THIS SPACE</b>					
9. Signature. <span style="float: right;">Docket Number: 00-670</span>  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <u>John J. Cheek</u>              Name of Person Signing           </div> <div style="text-align: center;">               Signature           </div> <div style="text-align: center;"> <u>10/27/2003</u>              Date           </div> </div> <div style="text-align: right; margin-top: 5px;">             Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 0 5px;">01</span> </div>					

17858 U.S. PTO

10/688117



101703

10/24/2003 ECOOPER 00000159 031129 10688117

01 FC:8021

40.00 DA

 Mail documents to be recorded with cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, PAUL D. HILLMAN, residing at Sutton-in-Ashfield, United Kingdom, hereinafter referred to ASSIGNOR has invented together with Stephen P. Middleton a new and useful

### ENGINE AIR CHARGE SYSTEM WITH BRANCH CONDUITS

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on April 10, 2003; and

WHEREAS, Perkins Engines Company Limited, a corporation organized and existing under and by virtue of the laws of the United Kingdom, and having a place of business at Peterborough, United Kingdom, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Perkins Engines Company Limited


4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

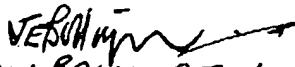
IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

  
PAUL D. HILLMAN

10/APRIL/2003  
Date

IN WITNESS OF the execution hereof by PAUL D. HILLMAN we have hereunto set our hands.

  
Paul S. Proctor 10 April 2003  
Witness (1) Date

  
JOHN BOLLINGTON 10 April 03  
Witness (2) Date

Address: Rossmore Cottage, Copple Brook  
BRATTON STAFFORD  
ST17 0TQ United Kingdom

Address: 19 LARCH FIELDS  
STONE  
STAFFS - ST15 0DD.

## ASSIGNMENT

WHEREAS, STEPHEN P. MIDDLETON, residing at Hale, United Kingdom, hereinafter referred to ASSIGNOR has invented together with Paul D. Hillman a new and useful

### ENGINE AIR CHARGE SYSTEM WITH BRANCH CONDUITS

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on \_\_\_\_\_; and

WHEREAS, Perkins Engines Company Limited, a corporation organized and existing under and by virtue of the laws of the United Kingdom, and having a place of business at Peterborough, United Kingdom, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Perkins Engines Company Limited

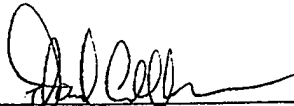
4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

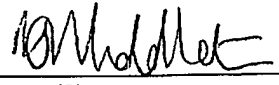
  
\_\_\_\_\_  
STEPHEN P. MIDDLETON

16-oct-03  
\_\_\_\_\_  
Date

IN WITNESS OF the execution hereof by STEPHEN P. MIDDLETON we have hereunto set our hands.

  
\_\_\_\_\_  
Witness (1)

16<sup>th</sup> OCT 03  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Witness (2)

16/10/03  
\_\_\_\_\_  
Date

Address: THE BEECHES,  
HIGH HOUSE RD, ST BEES  
CUMBRIA, CA27 0BY.

Address: 45 CEDAR RD.  
ALTRINCHAM  
CHESHIRE WA15 9TB.

10-27-2003



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Form PTO-1595 (Rev. 10/02) <span style="float: right;">10-17-03</span> OMB No. 0651-0027 (exp. 6/30/2005) Tab settings → → →		<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies):  Paul D. Hillman Stephen P. Middleton  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies):  Name: Perkins Engines Company Limited Internal Address: Frank Perkins Way, Eastfield V.F.R. Building Peterborough PE1 5NA UNITED KINGDOM  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: 04/10/2003					
4. Application number(s) or patent number(s): <u>10/688117</u> If this document is being filed together with a new application, the execution date of the application is: 04/10/2003  A. Patent Application No.(s) _____ B. Patent No.(s) _____  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed:  John J. Cheek Caterpillar Inc. Intellectual Property Department, AB6490 100 N. E. Adams Street Peoria IL 61629-6490			6. Total number of applications and patents involved: <span style="border: 1px solid black; padding: 0 5px;">1</span>  7. Total fee (37 CFR 3.41) ..... \$ <u>40.00</u>  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number:  03-1129		
<b>DO NOT USE THIS SPACE</b>					
9. Signature. <span style="float: right;">Docket Number: 00-670</span>  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <u>John J. Cheek</u>              Name of Person Signing           </div> <div style="text-align: center;">               Signature           </div> <div style="text-align: center;"> <u>10/17/2003</u>              Date           </div> </div> <div style="text-align: right; margin-top: 5px;">             Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 0 5px;">01</span> </div>					

 17858 U.S.PTO  
 10/688117


10/24/2003 EDOOPER 00000159 031129 10688117

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40.00 DA

 Mail documents to be recorded with cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, PAUL D. HILLMAN, residing at Sutton-in-Ashfield, United Kingdom, hereinafter referred to ASSIGNOR has invented together with Stephen P. Middleton a new and useful

### ENGINE AIR CHARGE SYSTEM WITH BRANCH CONDUITS

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on April 10, 2003; and

WHEREAS, Perkins Engines Company Limited, a corporation organized and existing under and by virtue of the laws of the United Kingdom, and having a place of business at Peterborough, United Kingdom, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

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3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Perkins Engines Company Limited


4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.


IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

  
\_\_\_\_\_  
PAUL D. HILLMAN

10/APRIL/2003  
\_\_\_\_\_  
Date

IN WITNESS OF the execution hereof by PAUL D. HILLMAN we have hereunto set our hands.

  
Philip S. Brooking 10 April 2003  
\_\_\_\_\_  
Witness (1) Date

  
JOHN BOLLINGTON. 10 April 03.  
\_\_\_\_\_  
Witness (2) Date

Address: Roswood Cottage, Copple Brook  
BRISTOL STAFFORD  
ST17 0TQ UNITED KINGDOM

Address: 19 LARCH FIELDS  
STONE  
STAFFS - ST15 0DD.



## ASSIGNMENT

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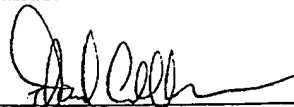
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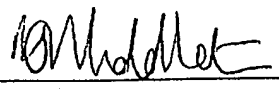
IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

  
\_\_\_\_\_  
STEPHEN P. MIDDLETON

16-Oct-03  
\_\_\_\_\_  
Date

IN WITNESS OF the execution hereof by STEPHEN P. MIDDLETON we have hereunto set our hands.

  
\_\_\_\_\_  
Witness (1)      16<sup>th</sup> Oct 03  
Date

  
\_\_\_\_\_  
Witness (2)      16/10/03  
Date

Address: THE BEECHES,  
HIGH HOUSE RD, ST BEES  
CUMBRIA, CA27 0BY.

Address: 45 CEDAR RD.  
ALTRINCHAM  
CHESHIRE WA15 9TB.

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO.: 7,028,679

DATED : April 18, 2006

INVENTOR(S) : PAUL D. HILLMAN, ET AL.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please make the following corrections to the cover sheet of patent as follows:

**Assignee: delete "Caterpillar Inc., Peoria, IL (US)" and insert --Perkins Engines Company Limited, Peterborough, United Kingdom--**

**MAILING ADDRESS OF SENDER:**

Caterpillar Inc.  
100 NE Adams St.  
Peoria, IL 61629-6490

**PATENT NO.** 7,028,679

No. of additional copies



This collection of information is required by 37 CFR 1.322, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*